

Amendments to the Claims

Please replace claims 1-93 with the following amended claims 1-93:

1-77. (*Cancelled*)

78. (*Currently amended*) A trocar comprising:

an elongated cannula member having a first camming surface formed on a proximal end thereof and a radially-expandable opening formed on a distal end thereof;

an elongated obturator adapted to be inserted into the cannula for rotational and axial movement therein, said obturator comprising a shaft having a distal end;

a point formed on the distal end of the shaft, said point tapering distally from a maximum diameter band and tapering proximally from said band to the shaft, said band being larger in girth than the distal cannula opening;

said band being distally adjacent the distal cannula opening when the obturator is substantially fully inserted into the cannula; and

a cap formed on a proximal end of the obturator, said cap having a second camming surface positioned thereon for engagement with the first camming surface when the obturator is substantially fully inserted into the cannula,

said first and second camming surfaces being effective to cause proximal axial displacement of the obturator with respect to the cannula member when the cap is rotated with respect to the cannula member, said distal cannula opening expanding radially as the maximum diameter band moves proximally through it;
and

wherein said radially-expandable opening at the first end of the cannula member comprises a smooth and continuous circumferential wall.

79. (***Cancelled***)

80. (***Previously presented***) The trocar as recited in claim 78, wherein at least one of the first camming surface and the second camming surface comprises an inclined surface.

81. (***Previously presented***) The trocar as recited in claim 78, wherein at least one of the first camming surface and the second camming surface comprises one of a projection, a recess, and a boss.

82. (***Previously presented***) The trocar as recited in claim 78, wherein at least one of the first camming surface and the second camming surface comprises one of a linear and a curvilinear surface.

83. (***Previously presented***) The trocar as recited in claim 78, wherein the first camming surface formed on the proximal end of the cannula comprises a surface of a projection on a periphery of a head assembly positioned on the proximal end of the cannula and the at least one second bearing surface comprises a surface of a recess positioned on a periphery of the cap assembly of the obturator.

84. (***Previously presented***) The trocar as recited in claim 83, wherein the projection on the periphery of the head assembly comprises an elliptical projection and the recess on the periphery of the cap comprises an elliptical recess.

85. (***Canceled***)

86. (***Canceled***)

87. (***Previously presented***) The trocar as recited in claim 78, wherein the first camming surface comprises a first bearing surface and the second camming surface comprises a second bearing surface.

88. (*Previously presented*) The trocar as recited in claim 78, wherein the first camming surface on the cannula is moveable relative to the cannula.

89. (*Previously presented*) The trocar as recited in claim 78, wherein the second camming surface on the cap of the obturator is moveable relative to the obturator.

90. (*Previously presented*) The trocar as recited in claim 78, wherein the cannula further comprises a head assembly formed on the proximal end thereof, and the head assembly comprises a seal which permits the passage of the obturator through the head assembly with little or no fluid leakage.

91. (*Previously presented*) The trocar as recited in claim 90, wherein the head assembly further comprises a fluid port.

92. (*Previously presented*) The trocar as recited in claim 91, wherein the fluid port includes a valve.

93. (*Previously presented*) The trocar as recited in claim 78, wherein at least one of the cannula and the obturator is non-metallic.